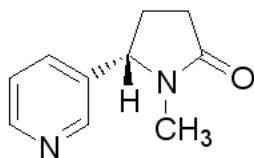


Product Information

(-)-Cotinine solution
1.0 mg/mL±5% in methanol
drug standard

Catalog Number **C0430**
Lot Number 039K8719
Storage Temperature 2–8 °C

CAS RN 486-56-6
Synonyms: (S)-1-Methyl-5-(3-pyridyl)-2-pyrrolidinone,
S(-)-1-Methyl-5-(3-pyridyl)-2-pyrrolidinone



Product Description
Molecular Formula: C₁₀H₁₂N₂O
Molecular Weight: 176.22

DEA Class: Exempt preparation of a non-controlled substance

Concentration: 1.03 mg of (-)-cotinine/mL of GC grade methanol, concentration verified by UV.

Expiration Date: March 2011

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

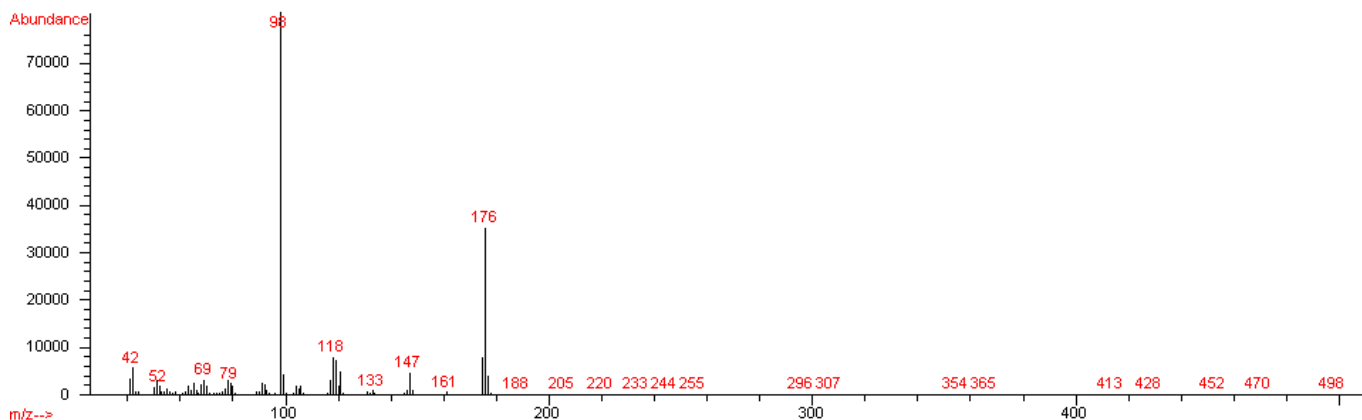
Storage/Stability

Store the product at 2–8 °C.

If stored at 2–8 °C in an airtight container, protected from light, decomposition of the product is less than 1% in 12 months. After opening, concentration may change due to loss of solvent.

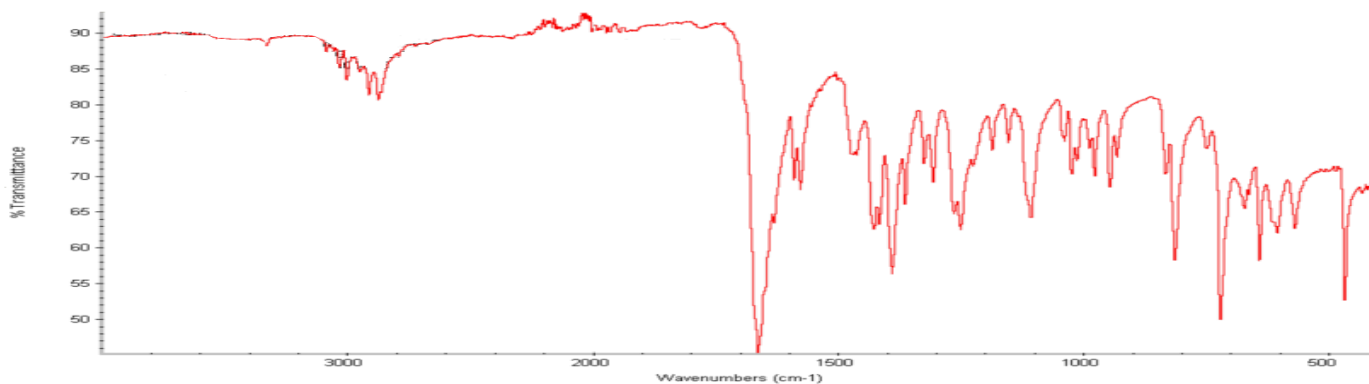
VY,CMW,MAM 01/16-1

70 eV Electron Ionization Mass Spectrum



Hewlett-Packard 5890 Series II Gas Chromatograph
Hewlett-Packard 5971 Mass Selective Detector
Hewlett-Packard G1034C MS ChemStation (HP-DOS series)

FT-IR



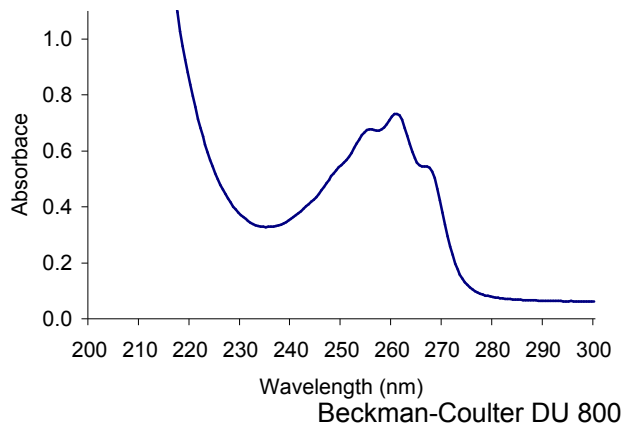
Nicolet Magna IR Spectrometer Series II

Ultraviolet Spectrum

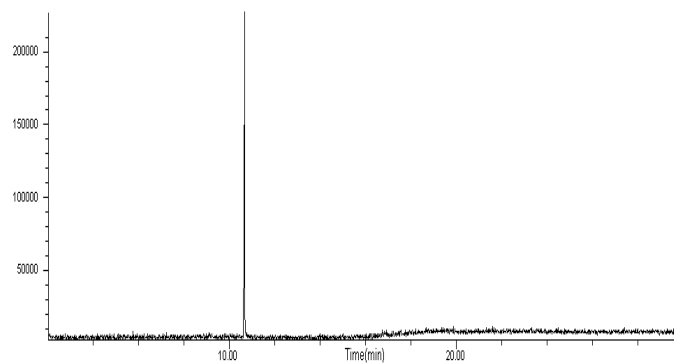
| | |
|-------------------|-------------------|
| Peak | 261.0 nm |
| Absorbance | 0.7334 |
| Solvent | GC grade methanol |
| Dilution | 1:24 (v/v) |

Capillary Gas Chromatography

Column Supelco SPB-1 (Catalog Number 24162)
I.D. 0.20 mm **Length** 15 m **Film Thickness** 0.20 μm
Oven Temperature 50 °C (2 minutes), then
15 °C/minute to 300 °C, hold 11 minutes
Injector Temperature 250 °C, Split
Detector Hewlett-Packard 5971
Mass Selective Detector (70 eV, 40-500 m/z)



Beckman-Coulter DU 800



Hewlett-Packard 5890